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\* INDIANA SINCLAIR-TIMEX USERS GROUP NEWSLETTER \*  
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JULY 1987

Editor-Frank Davis

AUGUST MEETING

8-29 at 1:30 PM

The next meeting of the Users Group ISTUG, will be at the home of Willie Jones, group librarian and ISTUG BBS Sysop. His address is 10126 East 33rd, Indianapolis, IN 46236. For further directions you may call him at 317-897-9225 voice or 317-898-3903 by modem. My hat off to Willie for hosting this meeting. The meeting will have a door prize, and only those who attend will be eligible to win. It is the truth when I say that the door prize alone is worth more than the cost of your membership in ISTUG.

We came dangerously close to having no meeting this month. You will recall that in last months issue I asked that if someone wanted to host the August and September meetings to either call me or leave a message on the ISTUG BBS. I got absolutely no response on that and was perplexed to say the very least. By hosting a meeting you get a chance to show off what type of computer setup you have going for you, or if you are having problems with it then you have the ideal time to apply a little group effort to getting it straightened out. Don't worry as to whether your house is up to BETTER HOMES AND GARDENS looks to decide as to whether to host the next meeting, we usually get so busy that we never notice anyway. So how about a volunteer for some of the upcoming meetings. Or perhaps it is time to find a facility that will allow us to use their space. Contact me on this at 317-473-8031. Ed. Frank

AN APPEAL .....A LETTER TO ISTUG

"I saw your user group listed in the May issue of COMPUTER SHOPPER. I am a TS1000 user with a problem. Perhaps your user group could help me out.

I recently purchased a 32K Memotech RAMPack for my TS1000. My problem: the RAMPack is not compatible with my Westridge 2050 modem. I had to make a minor modification to my TS2040 printer to use the RAMPack, and it works fine with the 2040 and the TS1016 RAMPack combined. It also works with just the TS1016 RAM.

I am interested in receiving any tips/information concerning modifications, etc. which can be made to make the modem and RAM compatible. Have any of your members experienced similar problems? With these rampacks reappearing on the market at such an attractive price, I'm sure it won't be long.

My sister is also a TS1000 user and is looking for a full size keyboard if anyone has one (preferably Suntronics or similar easy hookup). Incidentally, she also has a Memotech RAM (16K) and has the same problem.

Thank you for your time and attention.

Sincerely,  
Mark Swartz  
731 Mohawk Street  
Allentown, PA 18103

Anyone who thinks they can shed some light on this write to Mark Swartz.

## WAFADRIVE NOTES AND PROGRAM

by James Kerr

Just dropping a hint on ARTWORX. The Kempston search on the Rotronics Toolkit won't find the Joystick port in the Spectrum Version (that can be loaded on the Wafa-drive). But if you load the program...move to "SAVE"-answer filename with 9999 (gets you into Basic) then POKE 30101,223:POKE 44530,223 (ENTER) then GOTO 8005 you will be able to use the Kempston Joystick or Joystick interface as described in Time Designs (May/June 86') issue. Of course changes have to be made to Line 9998 to save to Wafa as it is configured for Micro-Drive.

P.S. In the Feb. 87' newsletter I tried to explain how to make backups of protected wafers, here is a program I wrote to help me do this easily:

```

1 REM **To Make Backup Copies For Wafa-Drives From
Protected Wafers for own use ONLY!
2 REM J. Kerr
10 LET a=24862
20 DIM n$(10): POKE 23658,8
25 PRINT " PLACE Wafa to Copy in Drive 'A' "Hit any
Key":PAUSE 0: CAT *
30 INPUT "Name of file to un-protect? (as listed)";n$
(1 TO 10)
35 PRINT INK 4;".PRG=0 (non-running)""PRG*=128 (self
run)""BYT=1 (reg. CODE)""BYT# OR *=129 (self run
CODE)""DAT=2(DATA file SCREEN$ OR text": INK 0
40 INPUT "No.? ";n
50 FOR J=a+48 TO (a+48)+((PEEK (a+26)*12)+PEEK (a+24)-PEEK
(a+25))
60 LET 1$=CHR$ (PEEK J)+CHR$ PEEK (J+1)+CHR$ PEEK
(J+2)+CHR$ PEEK (J+3)+CHR$ PEEK (J+4)+CHR$ PEEK (J+5)+CHR$ PEEK
(J+6)+CHR$ PEEK (J+7)+CHR$ PEEK (J+8)+CHR$ PEEK (J+9)
62 IF n$=1$ THEN POKE J+10,n: GO TO 100
65 NEXT J
70 PRINT "Is it exactly as listed?": INPUT "Y/N ";q$
80 IF q$="n" OR q$="N" THEN GO TO 10
90 PRINT "Well I Can't Find It!": STOP
100 PRINT "Put FORMATED Wafa in Drive"B""MAKE SURE
enough spare for Xfer""HIT ANY KEY WHEN READY": PAUSE 0
110 MOVE "a:"+n$ TO "b": CAT*"b:"
120 INPUT "Anymore ? Y/N ";q$: IF q$="y" OR q$="Y" THEN GO
TO 10
130 STOP
150 SAVE "A:BACKER" LINE 1

```

## FURTHER PROGRAMS

On the next few pages we have two different programs.

The first is Money Manager (MonMan) by Paul Holmgren. This is an excellent program to manage just about all of your money and if applied may help you to hold onto more of it (or at least be able to account for where it went to). The program is in this issue and the docs for it will be in the next issue. (That issue is almost complete other than finding out where the next meeting will be in September.) The program is commercial quality.

The second program is one by Basil Wentworth. It is short but useful in order to generate a frame around a character. It should save you some time and a little wear on the grey matter.

```

10 LET N1=SGN PI: LET N0=NOT P
I: BORDER N1: INK 9: PAPER N1
20 DEF FN T(P)=VAL "INT ((P)+1
00+.5)/100"
30 REM Subroutines
40 CLS : POKE 23658,8: GO TO 6
040: DATA "JAN","FEB","MAR","APR
","MAY","JUN","JUL","AUG","SEP",
"OCT","NOV","DEC"
50 PRINT : PLOT N0,PEEK 23689+
8-12: DRAW 255,N0: RETURN
60 LET X=36: LET L=184: GO TO
80
70 LET X=80: LET L=90
80 PLOT X,171: DRAW L,N0: DRAW
N0,-16: DRAW -L,N0: DRAW N0,16:
RETURN
90 INPUT "0 to make Entries"
"1 to return to menu Screen ";U
: IF W=N1 THEN GO TO 90
100 RETURN
110 LET peek=PEEK 23689: PRINT
AT 18,N0,"MA=Misc. Assets","CK=C
hecking","SA=Savings","CA=Cash",
"CC=Cash Card","CD=Crt. of Dep.",
"ST=Stocks": RETURN
120 PRINT AT 18,N0,,,,,,,,: POK
E 23689,peek: RETURN
130 PRINT #N1;"No such Item, pr
ess ENTER": PAUSE N0: RETURN
140 GO SUB 50
150 INPUT "Do you wish a COPY "
;P$: IF P$="" THEN GO TO 150
160 IF P$(N1)="Y" THEN COPY
170 IF 90 THEN RETURN
180 PRINT #N1;"Press ENTER for
Menu ": PAUSE N0: RETURN
190 PRINT "To stop entries ENT
ER RETURN": GO SUB 50: PRINT
,
M$(90);TAB 25;"Year"
200 IF B THEN INPUT "Is this a
new month? ";P$: IF P$="" THEN G
O TO 200
210 LET B=N0: RETURN
220 RESTORE : FOR I=2 TO 24 STE
P 2: READ P$
230 IF P$=M$(N1, TO 3) THEN LET
B=I
240 NEXT I: RETURN
500 REM Income
510 PRINT "TAB 13;"INCOME": GO
SUB 70: GO SUB 6160: REM S1
520 PRINT "Item",M$(N1);TAB 25
;"Year"
530 GO SUB 50: FOR B=N1 TO IMX
540 GO SUB 6160: REM S2
550 PRINT L$(B),H(B);TAB 24;F(B
)
560 NEXT B: GO SUB 50
570 PRINT "Total",HT;TAB 24;FT
580 GO SUB 90: IF W THEN RETURN
590 CLS : GO TO 2000
1000 REM Expense Statement
1010 PRINT "TAB 12;"EXPENSES": G
O SUB 70
1020 PRINT "Item",M$(2);TAB 25;
"Year": GO SUB 50
1030 FOR I=N1 TO EMX
1040 GO SUB 6160: REM S3
1050 PRINT I$(I),H(I);TAB 24;T(I
): NEXT I: GO SUB 50
1060 PRINT "TOTAL",HT;TAB 24;TT
1070 GO SUB 90: IF W THEN RETURN
1080 CLS : GO TO 2500
1500 REM Assets/Liabilities
1510 PRINT "TAB 5;"ASSETS and LI
ABILITIES": GO SUB 50
1520 GO SUB 6160: REM S4
1530 PRINT "Checking bal.";TAB
23-LEN STR$ CK;"$";CK,"Cash Ca
rd";TAB 23-LEN STR$ CC;"$";CC,"
Savings bal.";TAB 23-LEN STR$ SA
;"$";SA,

```

```

1540 PRINT "Cash bal.";TAB 23-L
EN STR$ CA;"$";CA,"Certs. of De
posit";TAB 23-LEN STR$ CD;"$";CD
"Stocks";TAB 23-LEN STR$ ST;"$
";ST,
1550 PRINT "Misc. Assets";TAB 2
3-LEN STR$ MA;"$";MA,"Property"
;TAB 23-LEN STR$ PR;"$";PR
1560 LET B=CK+CC+SA+CA+CD+ST+MA+
PR
1570 PRINT "Assets";TAB 23-LEN
STR$ B;"$";B
1580 GO SUB 50: PRINT "Mortgage
";TAB 23-LEN STR$ MG;"$";MG,"In
s. loan";TAB 23-LEN STR$ LL;"$";
LL,"2nd Mort.";TAB 23-LEN STR$
L2;"$";L2
1590 LET B=MG+LL+L2: PRINT "Li
abilities";TAB 23-LEN STR$ B;"$";
B
1600 LET B=(SA+CA+CK+ST+CD+PR+MA
)+B
1610 GO SUB 50: PRINT "Net Worth
";TAB 23-LEN STR$ B;"$";B
1620 GO SUB 140: RETURN
2000 REM Income
2010 LET 90=N1: PRINT "TAB 9;"In
come entries": GO SUB 60: GO SUB
190
2020 IF P$(N1)="Y" THEN LET HT=N
0: DIM H(6): INPUT "Type month (
3 letters e.g. JAN) ";M$(N1): LE
T P$="": CLS : GO TO 2000
2030 GO SUB 50
2040 INPUT "Item ";P$: IF P$="R
ETURN"( TO LEN P$) THEN RETURN
2050 FOR B=N1 TO IMX
2060 IF P$=L$(B, TO LEN P$) THEN
GO TO 2090
2070 NEXT B: GO SUB 130
2080 GO TO 2040
2090 PRINT L$(B),H(B);TAB 24;F(B
)
2100 INPUT "Amount $";TR: GO SUB
110: INPUT "For account? ";T$
2110 LET P$=T$: LET 90=2100: GO
TO 5470
2120 GO SUB 120
2130 IF T$="CK" THEN LET CK=CK+T
R
2140 IF T$="SA" THEN LET SA=SA+T
R
2150 IF T$="CC" THEN LET CC=CC+T
R
2160 IF T$="CA" THEN LET CA=CA+T
R
2170 IF T$="ST" THEN LET ST=ST+T
R
2180 IF T$="CD" THEN LET CD=CD+T
R
2190 IF T$="MA" THEN LET MA=MA+T
R
2200 IF S1 THEN RETURN
2210 LET H(B)=H(B)+TR: LET HT=HT
+TR: LET F(B)=F(B)+TR: LET FT=FT
+TR
2220 GO SUB 50: PRINT "TO DATE",
H(B);TAB 24;F(B)
2230 GO SUB 50: PRINT "Total Inc
ome",HT;TAB 24;FT
2240 GO SUB 220: LET U(B-N1)=HT
2250 GO SUB 50: GO TO 2040
2500 REM Expense Entries
2510 LET 90=2: PRINT "TAB 9;"Exp
ense entries": GO SUB 60: GO SUB
190
2520 IF P$(N1)="Y" THEN LET HT=N
0: LET PPT=N0: DIM M(EMX): INPUT
"Type month (3 letters e.g. JUL
) ";M$(2): LET P$="": CLS : GO
TO 2500
2530 INPUT "Item ";P$: IF P$="R
ETURN"( TO LEN P$) THEN RETURN
2540 FOR B=N1 TO EMX

```





```

5380 IF U$="ST" THEN LET ST=ST-T
R
5390 IF U$="CA" THEN LET CA=CA-T
R
5400 LET S1=N1: GO SUB 2130: LET
S1=N0
5410 PRINT : GO SUB 50
5420 PRINT "You transferred $";TR
;" from ",U$;" to ";T$;"."
5430 INPUT "5 Another transfer?
";"1 Return to Menu","2 See re
vised Accounts 5430";TR: IF T
R>2 THEN GO TO 5430
5440 IF TR=N1 THEN RETURN
5450 IF TR THEN CLS : GO TO 1500
5460 GO TO 5280
5470 IF P$()="CA" OR P$()="CK" OR
P$()="SA" OR P$()="MA" OR P$()="ST"
OR P$()="CC" OR P$()="CD" THEN PR
INT #N1;"No such Account. Press
5470": PAUSE #0: GO TO 90
5480 GO TO 90+20
5500 REM 5480 (if it means)
5510 PRINT "Monthly Income & Ex
pense summary": GO SUB 50
5520 PRINT "Month Income Expens
e Difference": GO SUB 50
5530 RESTORE : LET T1=N0: LET T2
=T1: LET T3=T1
5540 FOR B=N1 TO 23 STEP 2
5550 LET U(B)=INT (U(B)+.5): LET
U(B+N1)=INT (U(B+N1)+.5)
5560 READ P$: PRINT P$;" ";U
(B),U(B+N1);TAB 24;U(B)-U(B+N1)
5570 LET T3=T3+U(B): LET T1=T1+U
(B+N1)
5580 IF U(B)>N0 THEN LET T2=T2+N
1
5590 NEXT B
5600 GO SUB 50: PRINT "Totals "
;T3,T1;TAB 24;T3-T1
5610 GO SUB 140: PRINT #N1;"pres
s ENTER to include Mortgage ": P
AUSE #0
5620 CLS : PRINT "TAB 7;"Income
Expense Difference": GO SUB 50
5630 PRINT TAB 8;T3,T1;TAB 24;T3
-T1: GO SUB 50
5640 LET PP=INT (MGX-MG)
5650 PRINT "Prin. Pmts.",pp: GO
SUB 50
5660 PRINT "Year ";T3,T1+PP;T
AB 24;T3+T1-PP: GO SUB 50
5670 LET BB=N0: FOR B=N1 TO 24 S
TEP 2
5680 LET AA=R(B): LET BB=BB+AA:
NEXT B
5690 PRINT "Mean monthly Income:
$";FN T(T3/T2)
5700 PRINT "Mean monthly Expense
$";FN T(T1/T2)
5710 PRINT "Mean Expense last ye
ar $";FN T(BB/12)
5720 PRINT "( EXCLUDING MORTGAGE
)": GO SUB 50
5730 LET 90=N0: GO SUB 140: RETU
RN
6000 REM END PROGRAM
6010 PRINT "~~~~~You may SAVE O
R 6010 the""program.""~~~~~If yo
u have made any changes in the d
ata""~~~~~": GO SUB 50: PRINT " Do
not forget to re-load tape ": G
O SUB 50
6020 INPUT "S = SAVE 1 = STO
P";SP: IF NOT SP THEN SAVE "Mon
Man"
6040 REM MAIN MENU
6050 CLS : PRINT "TAB 9;"Money
Manager": GO SUB 50
6060 PRINT " 1 Check INCOME st
atement"," 2 Check EXPENSE stat
ement"
6070 PRINT " 3 Check ASSETS and
LIABILITIES 4 Enter INCOME ite
ms"

```

```

6080 PRINT " 5 Enter EXPENSE it
ems"," 6 See INCOME/EXPENSE gra
ph"
6090 PRINT " 7 See 2 year EXPEN
SES graph"," 8 Compare EXPENSES
with Budget"
6100 PRINT " 9 See CASH flow st
atement"," 10 TRANSFER funds; Re
pay LOANS"
6110 PRINT " 11 See monthly INCO
ME/EXPENSE"," 12 Exit this progr
am"
6120 PRINT : GO SUB 50: PRINT "
BRIGHT N1;" Please; never use";
PAPER 2;" RUN "
6130 INPUT "6130, 1 TO 12 ";90
6140 IF 90<N1 OR 90>12 THEN GO T
O 6130
6150 CLS : GO SUB 500+90: GO TO
N1
6160 REM 6160
6170 IF S1 THEN GO TO 6230
6180 IF S2 THEN GO TO 6270
6190 IF S3 THEN GO TO 6300
6200 IF S4 THEN GO TO 6340
6210 IF S5 THEN GO TO 6370
6220 RETURN
6230 REM INCOME 51
6240 INPUT "How many Income item
s? ";IX: LET HX=N0: DIM L$(IX
,15): DIM H(IX): DIM F(IX): DI
M M$(2,PI): LET M$(N1)="mon": LE
T M$(2)="mon"
6250 INPUT "How many Expense ite
ms? ";EX: DIM T(EX): LET HT=N0
: LET FT=N0: DIM I$(EX,15): DIM
m(EX): LET MT=N0: LET TT=MT: L
ET PPT=MT: LET PPX=MT: DIM U(24)
: DIM R(24): DIM P(EX): LET BT=
N0
6260 LET S2=S1: LET S1=N0: RETUR
N
6270 REM INCOME 52
6280 INPUT "Name INCOME item ";(
B);" ";L$(b): IF B=IX THEN LET
S3=S2: LET S2=N0
6290 RETURN
6300 REM EXPENSE 53
6310 INPUT "Name Expense item ";
(I);" ";I$(I)
6320 IF I=EX THEN RESTORE : FOR
B=N1 TO 23 STEP 2: READ P$: INP
UT (P$);" last year; Expenses $"
;R(B): NEXT B: LET S4=S3: LET S3
=N0
6330 RETURN
6340 REM ASSETS AND LIAB 54
6350 INPUT "Checking Acc. bal ";
CK;"Cash Card bal. ";CC;"Savings
acc. bal. ";SA;"Cash on hand ";
CA;"Cirt. of Deposit bal. ";CD;"
Stocks & Bonds ";ST;"value of Re
al & Personal prop. ";PR;"value
of other assets ";MA;"principal
bal. of Mortgage ";MG;"bal. of
2nd Mort. ";L2;"other loan balan
ces ";LL
6360 LET S5=S4: LET S4=N0: RETUR
N
6370 REM BUDGET 55
6380 INPUT "Budget amount for it
em ";(n);" $";p(n): LET bt=bt+p(
n): IF N=EX THEN LET S5=N0: DE
6390 RETURN

```

# A Small Frame-up, by Basil

Here's a little program that will generate a frame around characters, as shown in the accompanying illustration. Nothing earth-shaking, but it may save somebody the trouble of making a handful of calculations all over again.

As indicated in the REMs, line 1020 consists of a repetition of a series of GRAPHICS ABC, and 1050 is a repetition of GRAPHICS FGH. Line 1030 is a series of: GRAPHICS D, the character to be framed, and GRAPHICS E.

A B C D E F

The Characters Framed

```
10 REM clear UDG (user-defined
graphic) keys
20 FOR F=0 TO 167
30 POKE (USR "A"+F),0
40 NEXT F
50 REM generate UDG's
60 POKE USR "a"+7,3
70 POKE USR "b"+7,255
80 POKE USR "c"+7,192
90 FOR f=0 TO 7
100 POKE USR "d"+f,2
110 POKE USR "e"+f,64
120 NEXT f
130 POKE USR "f",3
140 POKE USR "g",255
150 POKE USR "h",192
1000 REM test
1010 CLS : PRINT
1020 PRINT " _ _ _ _ _ ":
REM graphics ABC
1030 PRINT " |A| |B| |C| |D| |E| |F| ":
REM graphics D, CHR$, graphics
E
1050 PRINT " _ _ _ _ _ ":
REM graphics FGH
8999 STOP
9000 SAVE "udg" LINE 1
9010 BEEP .3,12: BEEP 1,12
9020 CLS : PRINT "re-play TO VER
IFY "
9030 VERIFY "udg"
9040 BEEP .3,16: BEEP 1,16

Program to frame characters
```

## BROTHER HR-5 PRINTER FOR SALE

Thermal dot-matrix printer  
INTERFACE: Parallel Centronics or RS-232  
PRINTING SPEED: 30 cps  
NO. COLUMNS: 80-96 (normal or emphasized pica or elite characters), 40-48 (double-width expanded characters), 66 (reduced double-width expanded characters), 132 (condensed characters)  
PAPER: friction feed single or continuous. Standard paper or thermal paper.  
PRICE: \$99.95 US (S+H and PPD.)

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